

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q94683

Hiroshi KUBO, et al

Appln. No.: National Stage of PCT/JP2004/016485

Confirmation No.: Unknown

Group Art Unit: Unknown

Filed: May 24, 2006

Examiner: Unknown

For: COMPOSITION HAVING LIVER FUNCTION PROTECTING EFFECT

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

A copy of an International Search Report in a counterpart application is submitted herewith. The USPTO should receive copies of the references cited in the International Search Report from the International Bureau. Applicant will furnish any missing references upon request.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action

24 MAY 2006

## INFORMATION DISCLOSURE STATEMENT

Appln. No.: National Stage of PCT/JP2004/016485

Attorney Docket No. Q94683


on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith an English-language version of a Communication from a foreign patent office in a counterpart application citing such documents (International Search Report for PCT/JP2004/016485 dated February 15, 2005), indicating the degree of relevance found by the foreign patent office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

  
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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: May 24, 2006

Substitute for Form 1449 A & B/PTO  <b><u>INFORMATION DISCLOSURE</u></b> <b><u>STATEMENT BY APPLICANT</u></b>  <i>(use as many sheets as necessary)</i>				P9 rec'd PCT/PTO 24 MAY 2006		
				Application Number Confirmation Number Filing Date First Named Inventor Art Unit Examiner Name Attorney Docket Number	National Stage of PCT/JP2004/016485 Unknown May 24, 2006 Hiroshi KUBO Unknown  Q94683	
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	2003-26625	A	01/29/2003	KANEKA CORP.	
		JP	2003-119127	A	04/23/2003	KANEKA CORP.	
		JP	2003-104945	A	04/09/2003	JIRO TAKADA, KAZUHIRO IMAI	
		JP	10-109933	A	04/28/1998	KANEKA CORP.	
		JP	9-187229	A	07/22/1997	IDEMITSU MATERIALS CO., LTD.	
		JP	2003-306429	A	10/28/2003	NISSHIN FARUMA KABUSHIKI KAISHA	
		WO	2000/057871	A2	10/05/2000	PURDUE RESEARCH FOUNDATION	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		VALLERIAN E.K., ELENA A. ET AL., "ANTIOXIDANT ACTION OF UBIQUINOL HOMOLOGUES WITH DIFFERENT ISOPRENOID CHAIN LENGTH IN BIOMEMBRANES", FREE RADICAL BIOLOGY & MEDICINE, 1990, VOL. 9, PAGES 117 TO 126, PAGE 119, FIG. 1C; PAGE 121, FIG. 4	
		TAKAHASHI T., SUGIMOTO N., TAKAHATA K. ET AL., "CELLULAR ANTIOXIDANT DEFENSE BY A UBIQUINOL-REGENERATING SYSTEM COUPLED WITH CYTOSOLIC NADPH-DEPENDENT UBIQUINONE REDUCTASE: PROTECTIVE EFFECT AGAINST CARBON TETRACHLORIDE-INDUCED HEPATOTOXICITY IN THE RAT", BIOL. PHARM. BULL., 1996, VOL. 19, NO. 8, PAGES 1005 TO 1012, PAGE 1010, LOWER LEFT COLUMN	
		TATSUYA AMIMOTO, "ACETAMINOPHEN NI YORU MOUSE KANSHOGAI KIKO TO SHIYOSEI KOSANKAZAI NI YORU HOGO KIKO", HIROSHIMA DAIGAKU IGAKU ZASSHI, 1993 NEN, VOL. 41, NO. 6, PAGES 417 TO 427, PAGE 421, LEFT COLUMN, LINE 4 TO PAGE 422, RIGHT COLUMN, LINE 6; PAGE 422, TABLES 1, 2	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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10/580403

MODIFIED PTO/SB/08 A &amp; B (08-03)

IAPG Rec'd PCT/PTO 24 MAY 2006  
Complete if Known

Substitute for Form 1449 A & B/PTO  <b><u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u></b>  <i>(use as many sheets as necessary)</i>				Application Number		National Stage of PCT/JP2004/016485
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				Filing Date		May 24, 2006
				First Named Inventor		Hiroshi KUBO
				Art Unit		Unknown
				Examiner Name		
Sheet	2	of	2	Attorney Docket Number		Q94683

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		US			
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## FOREIGN PATENT DOCUMENTS

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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		T. MATSURA, K. YAMADA, T. KAWASAKI, "PROTECTIVE EFFECTS OF COENZYME Q10 AND A-TOCOPHEROL AGAINST FREE RADICAL-MEDIATED LIVER CELL INJURY, REDOX REPORT, 1995, VOL. 1, NO. 5, PAGES 343 TO 347, PAGE 345, RIGHT COLUMN, LINES 10 TO 18	
		ABDULLAH M.A.B., "KHURDHID A. ET AL., "COENZYME Q10 AMELIORATES THE HEPATIC TOXICITY INDUCED BY CARBON TETRACHLORIDE IN MICE", RESEARCH COMMUNICATIONS IN PHARMACOLOGY AND TOXICOLOGY, 1999, VOL. 4, NO. 3, 4, PAGES 163 TO 170, TABLE 1, FIGS. 1, 2	
		HIROSHI MARUYAMA, KIYONORI KIKKAWA, MASAHICO ONDA, "ENDOTOXIN SHOCK-ji NO KANSAIBO SHOGAI NI TAISURU COENZYME Q10 NO YUYOSEI NI TSUITE TOKUNI ENDOTOXIN KASSEIKA TAKAKU HAKKEKKYU O CHUSHIN NI", NIHON IKA DAIGAKU ZASSHI, 1995 NEN, VOL. 62, NO. 3, PAGES 271 TO 282, FIGS. 2, 3	

Examiner Signature		Date Considered	
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